

Appl. No.: 10/554,089
Reply to Office Action of: 10/16/2007

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claim(s) 2 without prejudice.

Listing of Claims:

1. (Currently amended) Assembly comprising: of

a protection cover, and

a circuit board comprising one or more optical conductors characterized in that said optical conductors are embedded in said circuit board, said circuit board comprising an optical cavity exposing at least a part of said embedded optical conductors and ,

wherein said protection cover is adapted to use said optical cavity as a reference, wherein said protection cover comprises attachment means joining said protection cover and said circuit board at said optical cavity.

2. (Cancelled)

3. (Currently amended) Assembly according to claim 2 1, wherein said optical cavity is adapted to accommodate a mounting frame comprising holding features and said attachment means are adapted to engage with said holding features.

4. (Previously presented) Assembly according to claim 3, wherein said mounting frame comprises fastening means for fixating said mounting frame within said optical cavity.

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5. (Currently amended) Assembly according to claim 2 1, wherein said attachment means comprises a flexible attachment means, such as flexible plastic attachment means.

6. (Currently amended) Assembly according to claim 2 1, wherein said protection cover comprises a metallic portion including said attachment means.

7. (Previously presented) Assembly according to claim 1, wherein said protection cover comprises an adhering structure and/or adhering substance for sticking said protection cover to said circuit board.

8. (Previously presented) Assembly according to claim 1, wherein said circuit board comprises at least one connector header arrangement and said protection cover is adapted to fit within said connector header arrangement.

9. (Previously presented) Assembly according to claim 1, wherein said protection cover further comprises a handling grip.

10. (Previously presented) Assembly according to claim 1, wherein said optical cavity is adapted to accommodate a coupling device for coupling an optical connector to said optical conductors and wherein said protection cover is adapted to accommodate said coupling device.

11. (Previously presented) Protection cover for use in an assembly according to claim 1.

12. (Previously presented) Circuit board for use in an assembly according to claim 1.

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13. (New) An assembly comprising:

a printed circuit board;

at least one optical conductor embedded in the printed circuit board, wherein the printed circuit board comprising an optical cavity exposing at least a part of the embedded optical conductor at the optical cavity; and

a protection cover removably mounted to the printed circuit board, wherein the protection cover engages the optical cavity as a reference, wherein the protection cover comprises a substantially flat cover portion and a projection extending away from the cover portion, wherein the cover portion is larger than the optical cavity and is located above the optical cavity to close an entry into the optical cavity, wherein the projection extends into the optical cavity, and wherein the projection at least partially connects the protection cover and the circuit board at the optical cavity.

14. (New) An assembly as in claim 13 further comprising adhesive connecting the protection cover to the printed circuit board around a perimeter area of the optical cavity.

15. (New) An assembly as in claim 13 wherein the projection comprises a deflectable latch.

16. (New) An assembly as in claim 13 further comprising an optical coupling device located in the optical cavity and sandwiched between the protection cover and the optical conductor, wherein the optical coupling device comprises means for coupling an optical connector to the optical conductor.

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17. (New) An assembly as in claim 13 wherein the protection cover further comprises a handling grip extending from the cover portion in a generally reverse direction to the projection, and wherein the handling grip is adapted to be grasped to remove the protection cover from the printed circuit board.